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U.S. PATENT DOCUMENTS											
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$\mathcal{L}_{\mathcal{L}}$	US 5,978,428			1999-11-02	Hayashi	_					
<u>د</u>	US 5,896,368			1999-04-01	Dahlman, et al.						
a	US 4,004,226			1977-01-18	Qureshi, et al.	~	_		,		
4	US 5,644,590			1997-07-01	Sugita	_		-			
8	US 5,774,814			06-1998	Haas	_					
w	US 6,018,651			01-2000	Bruckert, et al.	_					
		JS									
FOREIGN PATENT DOCUMENTS											
	Office		Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSI	ATION		
		NUMBER						YES	NO		
u		6447134	JP	1989-02-21	JAPAN			Abs			
		3230607	JP	1991-10-14	JAPAN			Abs			
		8298682	JP	1996-11-12	JAPAN	<u>.</u>		Abs			
		4400239		1991-08-07	EUROPE						
		4138798		1993-05-27	GERMANY						
		0674402		1995-09-27	EUROPE						
		9602984		1996-02-01	WIPO						
		09-252273		1997-09-22	JAPAN			Abs			
		08-298682		1996-11-12	JAPAN			Abs			
		05-037407		1993-02-12	JAPAN			Abs			
		06-204925		1994-07-22	JAPAN			Abs	-		
	GB	2 294 610	A	1996-05-01	GREAT BRITAIN						
C/	EP	0 624 994	A1	1994-11-17	EUROPE						
OTHER	DOCU	MENTS (Include Nam.	e of the auth page(s), vol	or (in CAPITAL LETTERS), tume-issue number(s), publi	itle of the article (when appropriate, city and/or country where p	riate), ti published.	le of the ite	em (book, s	agasine,		
					RD: TDMA Cellular/Po			rface-			
u					y-Digital Control C	nannel)		- ·		
Research & Development Center for Radio Systems (pp. 22-26)											
LIU, et al., "Quadilivel Periodic Sequences for Fast Start-Up Equalization and Channel Estimation" IEEE Transactions on Communications 44 (1996) February, No. 2, New Your US											
EXAMINER					DATE CONSIDERED	1,-1	2.5				
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u	US 4,004,226			1977-01-18	Qureshi, et al.	+=			=	
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1	DE	41 38 798	A1	1993-05-27	GERMAN				┪	
1	EP	0 440 239	A2	1991-08-07	EUROPE		<u> </u>		ヿ	
G	EP	0 674 402	A1	1995-08-27	EUROPE		<u> </u>			
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1							Channel		=	
(h-	"Quadrilevel Periodic Sequences for Fast Start-Up Equalization and Channel Estimation" Ging-Shing LIU, et al, IEEE Transactions on Communications, IEEE Inc. New York, Vol. 44, No. 2, 2-1-1996, pp 143-144									
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